

Cyber Security Incident Response and Digital Forensics

*Assess, detect
and deter
cyber security
incidents with
rapid response
and efficiency*



pwc

<https://t.me/learningnets>

Assess, Detect and Deter Cyber Security Incidents with rapid response and efficiency



Advances in digital technology have changed the way we live, communicate and do our business. Today's world is more connected than ever before. Just like your business, criminals are taking advantage of innovation and automation. No business is immune from cyber-threats. Having a hundred percent secure computer system is a myth. Organizations can't prevent every possible attack due to limitations in the security tools and sophistication of attackers. When organisations face a cyberattack, a rapid and thorough incident response is essential to minimise the threat and safeguard the critical information infrastructure. The impact severity, scope, and cost of a cyber security incident increases with every hour it remains unresolved. Time compounds the problem and any delay or inefficiency will only increase the damage and loss from a security breach. According to PwC's Global State of Information Security Survey[®] 2016, the average cost of a security breach is 2.5 million USD.

The only way to be prepared for the ever-evolving cyberattacks is to have a contingency plan in place and experts on call. PwC's Cyber Security Incident Response and Digital Forensics team help you respond quickly to minimise damage and reduce downtime in the event of a cyberattack. Our team will take a comprehensive, reactive, proactive and predictive approach to restore normalcy, identify the root cause and suggest measures to stop the reoccurrence of such security breaches.

Attack Scenario

Increase in attack surface
Rise in DDoS and Ransomware attacks
Zero Day Exploits, Advanced Persistent Threats and Targeted Attacks
Automated Intelligent malware

Threat Sources

Script Kiddies to State sponsored
Attack - Pay per use model
Use of botnets and crypto currencies
IoT devices as zombies and bots



01
Attack scenario

*Shifting paradigm in
Cyber Security Strategy:*

02
Threat Sources

*From “Protect,
Detect & Respond”
to
“Respond, Detect &
Protect”*

04
*Increase in attack
aftermath costs*

03
Lack of Readiness



Increase in attack aftermath costs

Increase in business downtime and recovery
Rise in cost of investigation and cleaning
Increase in Litigations
Regulatory and legal sanctions
Damage to brand value and reputation

Lack of Readiness

Lack of Threat Identification capability
Lack of Cyber Security Incident Maturity Assessment
Lack of Digital Forensics Readiness
Lack of Cyber Resilience Plan



Our bouquet of services

Cyber Forensics

- Disk, network and mobile forensics
- Malware analysis—static and dynamic
- Digital forensics readiness assessment
- Network log correlation and predictive analytics



- Cyber security incident response policy and framework
- Cyber security incident readiness maturity assessment
- Cyber security incident investigations
- Indicators of compromise (IOC)—collection, identification and mitigation

Incident Response Management

Fraud Management

- Technology fraud investigations
- Technology fraud risk assessment
- Proactive fraud detection
- Fraud prevention



- Establishing a digital forensics lab in a build, operate and transfer (BOT) model
- Consultancy in setting up of a cost-effective, customer-centric digital forensics facility
- Customer Specific Incident Response and Digital Forensics training

Turn-key Solutions

How PwC can help you

At PwC, we have a deep understanding of handling cyber incidents. Our experienced team applies a proven and robust approach to tackle every incident. We can minimise the impact of cyberattacks and help protect your business from future attacks. We can also enhance your cyber strategy and redesign your programme so that you proactively reduce your exposure to cyberattacks, secure business-critical activities and become more resilient.

Domain Expertise
Customer Centric Solutions

Latest Hardware and Software Tools

Centre of Excellence

Certified Professionals

We facilitate efficient and quick responses to cyberattacks and data breaches, and provide investigation, mitigation and eradication services in the event of internal or external cyber security threats. Our digital forensics labs are equipped with cutting-edge forensics tools to cater to complex incident response needs and deliver the best services to our clients.

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Benefits



Increased legal and regulatory compliance

By proactively detecting frauds, security incidents and identifying vulnerabilities in security infrastructure



Enhanced risk management

By lowering the impact of cyberattacks, security breaches and digital fraud and reducing litigation risks



Increased productivity

By reducing business downtime and protecting critical information systems to boost organisational productivity







Increased profitability

By reducing revenue leakages and minimising the cost of investigations



Enhanced customer confidence

By improving customer data security and reducing the risk of reputational loss

| Service delivery models | Retainer (Platinum) | Retainer (Gold) | Emergency | Secondment |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Guaranteed availability Cost effective No delays in contract approvals 24x7 support Minimum guaranteed hours  | Guaranteed availability Cost effective No delays in contract approvals 24x7 support  | Guaranteed availability High cost No prior contract 24x7 support  | Guaranteed availability Cost effective No delays in contract approvals Manpower outsourcing  |



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About PwC

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In India, PwC has offices in these cities: Ahmedabad, Bengaluru, Chennai, Delhi NCR, Hyderabad, Kolkata, Mumbai and Pune. For more information about PwC India's service offerings, visit www.pwc.com/in

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